

## CLAIMS

1. Multifunction plate for a surface cleaner, constituted by a plate (1) of a generally rectangular shape, provided with gripping and manipulating means, as well as with means for securing pieces of textile, characterised in that said gripping and manipulating means (5, 19, 27, 29), between, on one hand the broom-stick (17) or the holding handle (18) and, on the other hand, a central rod (5) connected to the plate (1), are interchangeable, and in that there are a plurality of means for fixing different types of pieces of textile, said means being at least :

15      - on the lower base (6) of the plate, plane portions for self-gripping strips (8);

          - on the upper face (3) of the plate, at least clamping mechanisms (11) co-operating with windows or cavities (9, 10) in the plate (1) to hold all types of pieces having turned-back edges, and holes (16) suitable for press stud systems for fixing clips.

2. Multifunction plate according to claim 1, characterised in that the interchangeable gripping and manipulating means include a joint (19) pivoting on the rod (5) which is equipped with two flexible strips (20) for detaching the stick (17) or the handle (18) from the plate.

3. Multifunction plate according to claim. 2, characterised  
25 in that the strips (20) bear toes capable of sliding in positioning  
guides (23) that form part of a sleeve (24) for supporting the  
broom-stick (17) or the handle (18).

4. Multifunction plate according to claim 2, characterised in that the outer border of the joint (19) is provided with clipping toes (35) and, opposite the toes, with holes provided in the wall to increase the flexibility of the latter.

5. Multifunction plate according to claim 1, characterised in that the interchangeable gripping and manipulating means include a joint (27) that pivots about a specially shaped pin (29) displaceable longitudinally in relation to the plate (1).

6. Multifunction plate according to claim 5, characterised in that the articulation (27) is provided with cut-out portions

(28) spaced apart like flats (26) borne by the specially shaped pin (29).

5 ✓ 7. Multifunction plate according to claim 1, the interchangeable gripping and manipulating means of which are constituted by a joint (19) pivoting on a central rod (5) connected to the plate (1), characterised in that a threaded socket onto which is screwed the broom-stick (17) or the handle (18) is fixedly snap fitted onto said joint (19).

10 ✓ 8. Multifunction plate according to claim 7, characterised in that the handle (18) forms the socket itself, which can receive the broom-stick (17) by screwing.

15 ✓ 9. Multifunction plate according to claim 1, characterised in that the lower base (6) is provided with cavities (7) framed by plane<sup>8</sup>, longitudinal portions serving to receive the self-gripping strips (8).

20 10. Multifunction plate according to claim 1, characterised in that the clamping mechanism is constituted by a specially shaped strip (11) co-operating with a central window (9) and two lateral cavities (10) provided on the upper face (3) of the plate (1).

25 ✓ 11. Multifunction plate according to claims 1 and 10, characterised in that the strip (11) is specially shaped to form an arch, the ends of the lateral wings (12) of which are placed in the cavities (10), and in that a system (14, 15) for clipping the strip in the central window (9) is provided in the centre of the strip.

30 ✓ 12. Multifunction plate according to claim 11, characterised in that the clipping system is constituted by resilient bars (14) ending in toes which extend under the central portion of the strip (11).

35 13. Multifunction plate according to claim 10, characterised in that two rigid levers (33) extend into a cut-out portion (31) of the strip (11) and bear, via a rib (34), on the upper face of the plate.

14. Multifunction plate according to claim 10, characterised in that two rigid levers (33) are L-shaped and

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mounted on strips (11) and come to bear against a bridge member (37) integral with the plate.

5 15. Multifunction plate according to claim 13, characterised in that the clipping system of the strip (11) is constituted by two resilient bars (14) beneath each of the borders (32) of the strip, which penetrate two adjacent central windows (9) provided in the plate (1). *↑ no*

10 16. Multifunction plate according to claim 10, characterised in that the clamping strip (11) is designed as a bell type strip which is actuated in its centre for rapid disengagement of its end projections (13) from the cavities (10).

✓ 17. Multifunction plate according to claim 1, characterised in that the holes (16), suitable for press stud systems, are provided on the ends of the plate (1).

15 18. Multifunction plate according to claim 1, characterised in that the holes have an oval profile orientated longitudinally of the plate (1).

20 19. Multifunction plate according to claim 1, characterised in that the walls of the holes (16) on at least one side are easily deformable to facilitate the clipping of the press stud.

✓ 20. Multifunction plate according to claim 1, characterised in that a sponge support (30) is clipped into the holes (16) under the lower base (6) of the plate.

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